



Bird Nest STEM Challenge



Team: _____

CHALLENGE:
 Design a nest using at least 4 different materials that will fit 3 eggs. It should also hold a marble safely even when you pick up your nest and gently rock it.

Plan your nest:
 What type of bird might build a nest?
 Where might the nest be built?

Test the materials: which will work in the nest? Add ✓ or X

Materials:	Strong ?	Flexible ? (bends)	Fills spaces?	Use in Nest?

CREATE: Build your nest. Did you have to change materials? Why?

TEST :

Test 1: Do eggs fit below nest rim?	Yes	No
Test 2: Does nest hold together when lifted?	Yes	No
Test 3: Does marble stay in nest when rocked?	Yes	No
Optional Test 4: Support the weight of 3 chicks and parent	Yes	No

Total Weight your nest supported (each bird weighs 70g) =

Did you complete the challenge? Are you happy with your design? Did it look like a real bird's nest?

THINK: what did you learn from trying to build a nest?

IMPROVE: How would you change your nest if you had more time or materials? Why would this make it better?